



FIG.4A

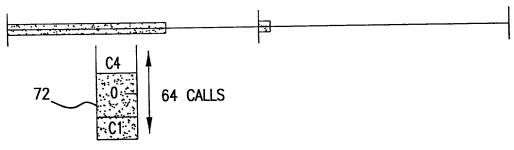


FIG.4B

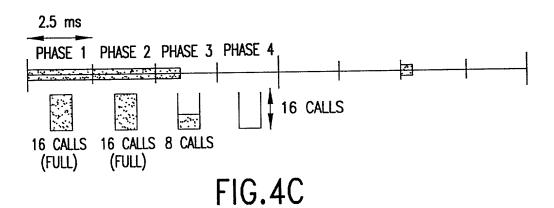
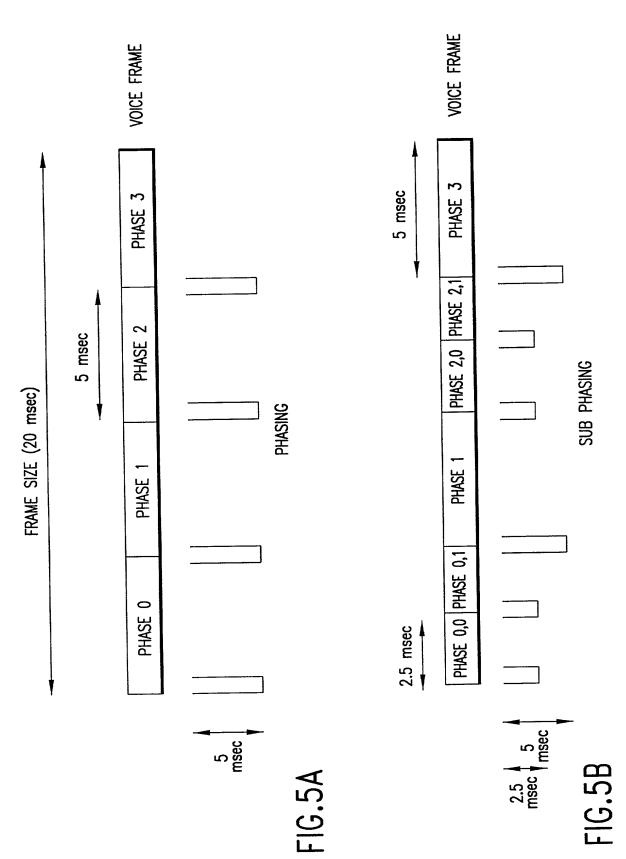




FIG.4D



```
CALL 1: CM1, VIDO: 5ms, 16 Kbps=2 MS (1:0) CALL 2: CM2, VIDO: 10ms, 32 Kbps=4 MS (2:0) CALL 3: CM3, VIDO: 20ms, 32 Kbps=7 MS (3:0) CALL 4: CM4, VIDO: 20ms, 32 Kbps=7 MS (4:0) CALL 5: CM1, VID1: 10ms, 16 Kbps=3 MS (1:1) CALL 6: CM2, VID1: 10ms, 16 Kbps=3 MS (2:1)
```

FIG.5C

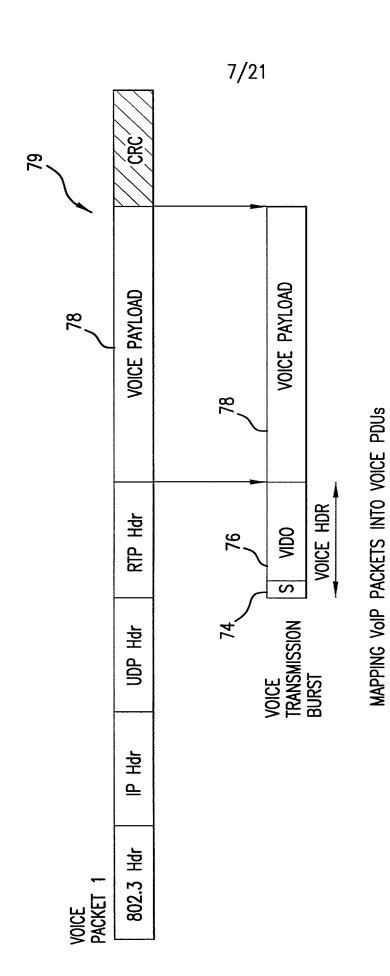
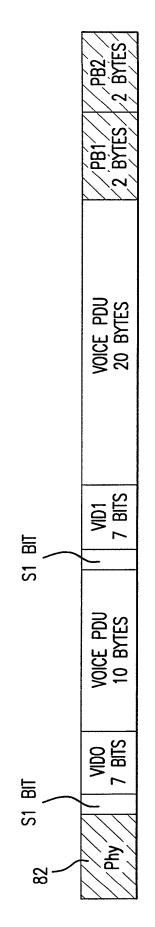


FIG.6A

CONCATENATION OF TWO VOICE CHANNELS OF DIFFERENT RATES

FIG.6B

8/21



CONCATENATION OF VOICE CHANNELS AND PIGGYBACKING REQUESTS

FIG.6C

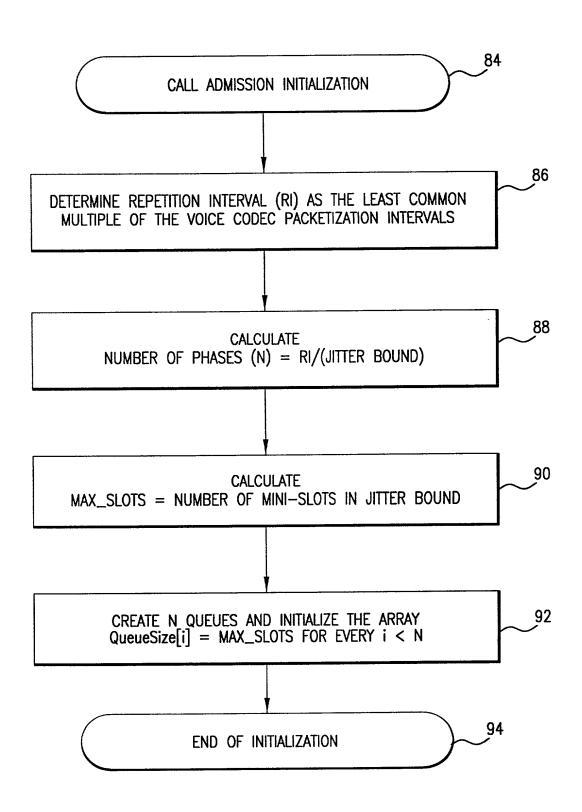


FIG.7

10/21

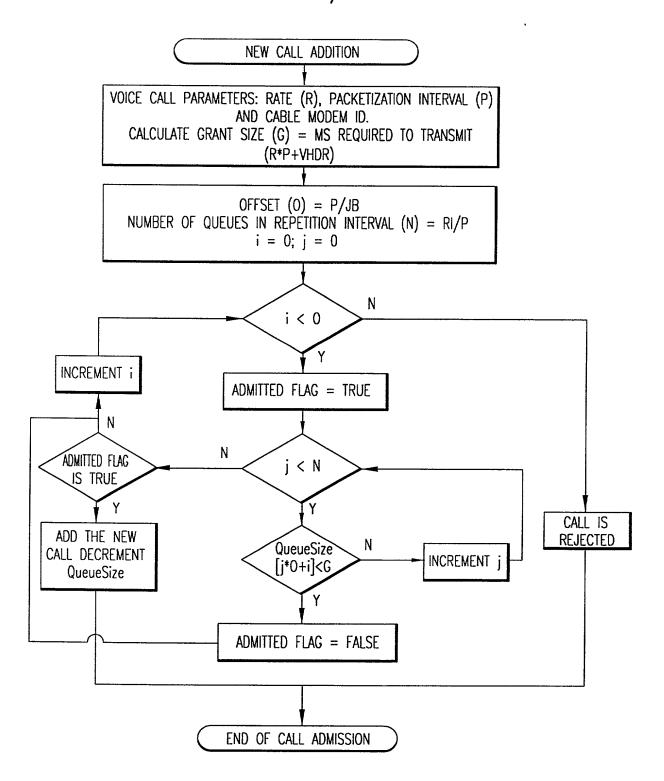
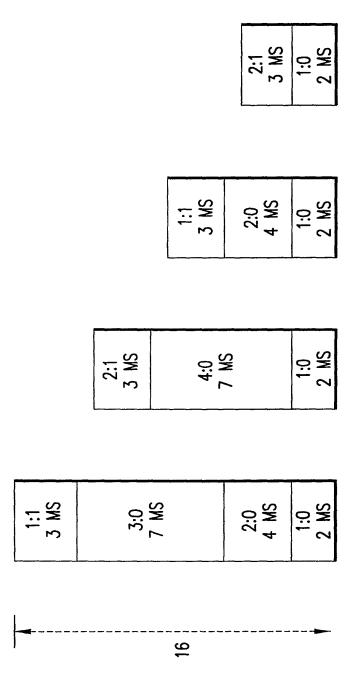
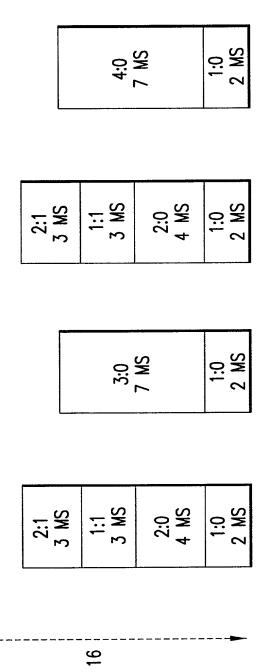


FIG.8



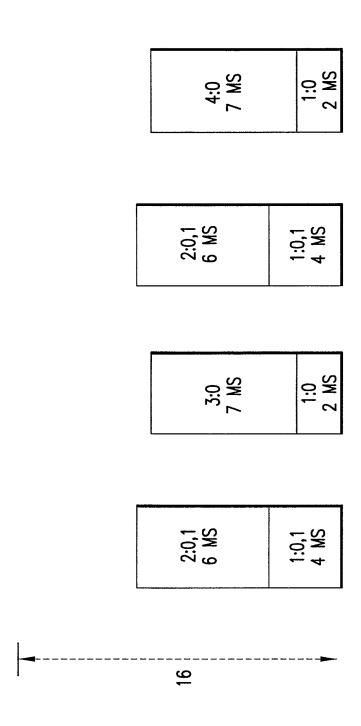
CALL ADMISSION: UNBALANCED

FIG.9



CALL ADMISSION: BALANCED

FIG. 10



CALL ADMISSION: BALANCED WITH CONCATENATION

FIG. 11

2:1 3 MS	4:0	1:0 2 MS	
<u> </u>			
	1:1 3 MS	2:0 4 MS	1:0 2 MS
	L		1
2:1 3 MS	3:0 7 MS	1:0 2 MS	
			<u> </u>
	1:1 3 MS	2:0 4 MS	1:0 2 MS
		· · · · · · · · · · · · · · · · · · ·	

16

CALL ADMISSION: BALANCED AND DISTRIBUTED CM ALLOCATION

FIG.12

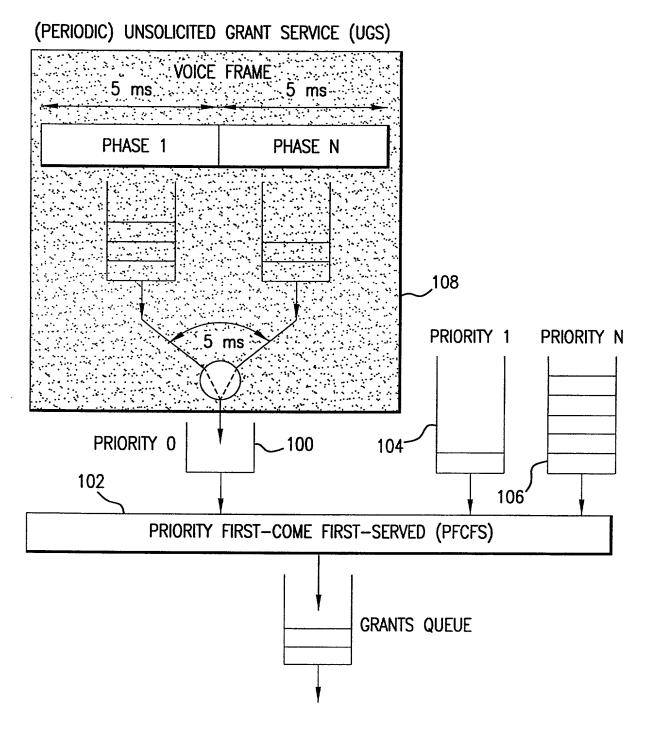
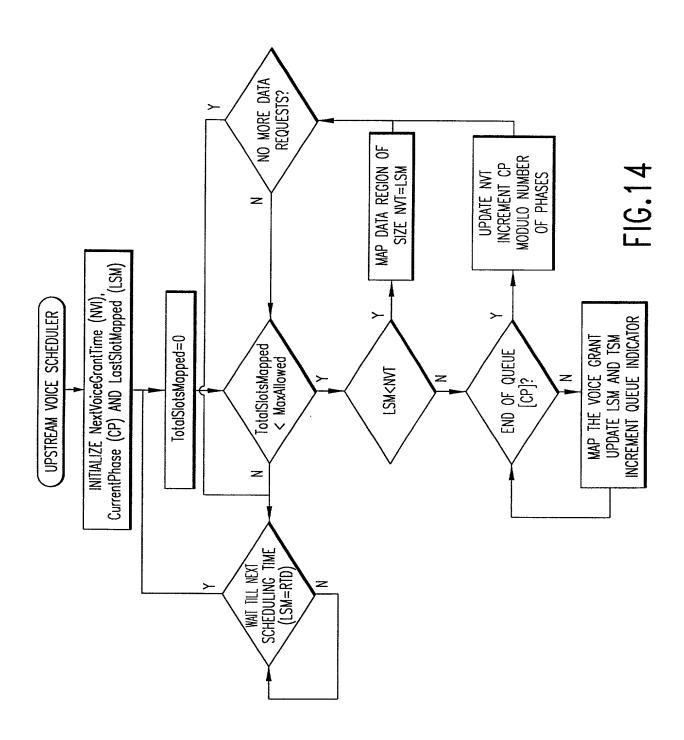
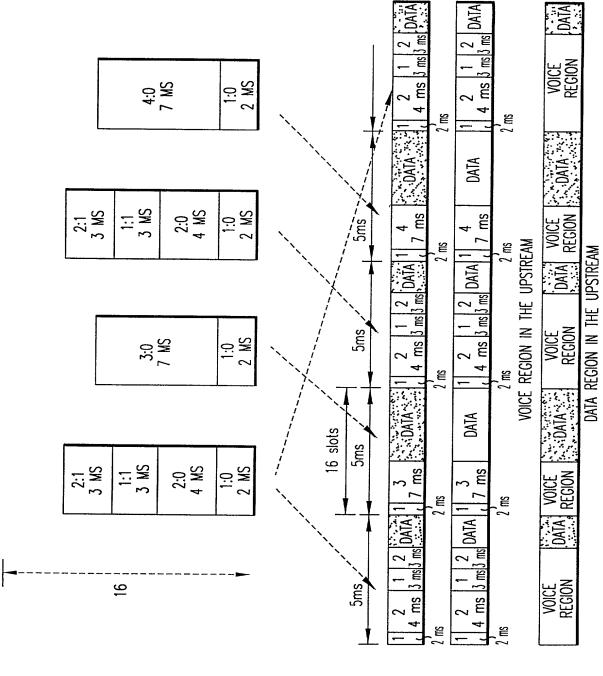


FIG.13





VOICE SCHEDULING: MAPPING VOICE STATE INTO UPSTREAM GRANTS

				18	/21			
CONTENTION MINI-SLOT	PHASE A	VOICE	VOICE PA,f2 P.S. CONTRACTOR CONTR	JUDA I STATE OF THE PROPERTY O	المالات المالا	VOICE CONTRACTOR OF THE PROPERTY OF THE PROPER		VOICE PACKET 3 PACKET
DATA PACKETS PACKET 1 W///PACKET 2 //// PACKET 3 PK44 PESSESSESSESSES	PHASE A VOICE FRAME STATE PHASE B	VOICE	VOICE PACKET 1 Peck 2, frg 1/2 VOICE PP2,f2/3 PACKET 3 P4,f1	(a) MAPPING: STRICT FRAGMENTATION PACKET 1 K.P.c.k 2 fra 1/3 VOICE VOICE K.P.2 fr.3 1 Puta	BACK VOICE PHASES	VOICE PACKET 1 PACKET 2 VOICE PACKET 3 Pkt4	(c) MAPPING: FLOATING REGION BOUNDARIES	VOICE PACKET 1 Pkt 4 NOICE V///PACKET 2///A-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S

3 F 013

(d) MAPPING: FIXED REGION BOUNDARIES: BEST FIT (NO FRAGMENTATION)

